

# Sherwood Design Engineers



**CIVIL ENGINEERING OF:**  
**-GREEN BUILDINGS**

**-INFRASTRUCTURE DESIGN**

**-ECOLOGICAL DESIGN**

**-WATER RESOURCES**

**-URBAN DESIGN**

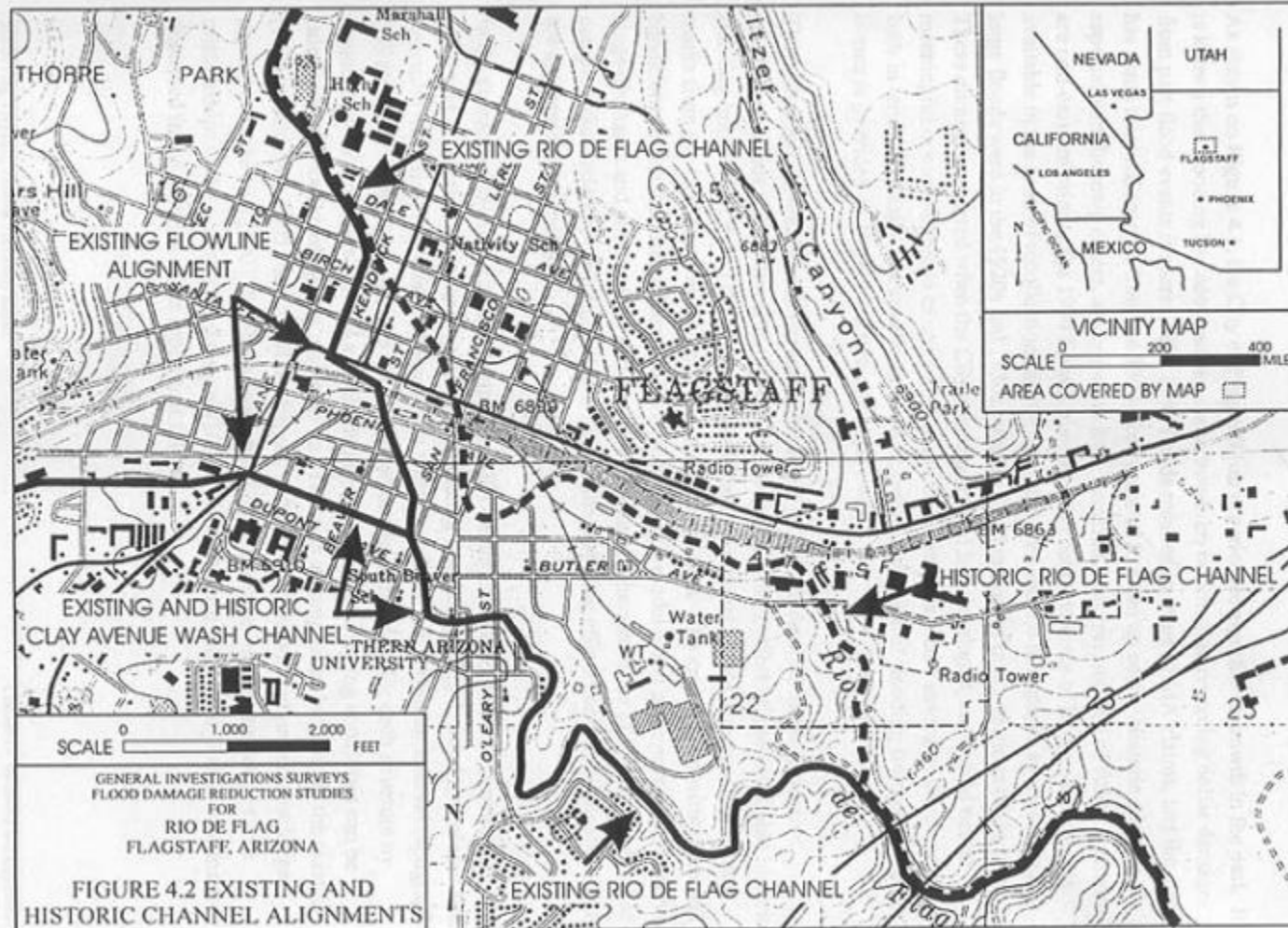
**-MASTER PLANNING**



Flagstaff Zoning Code Update

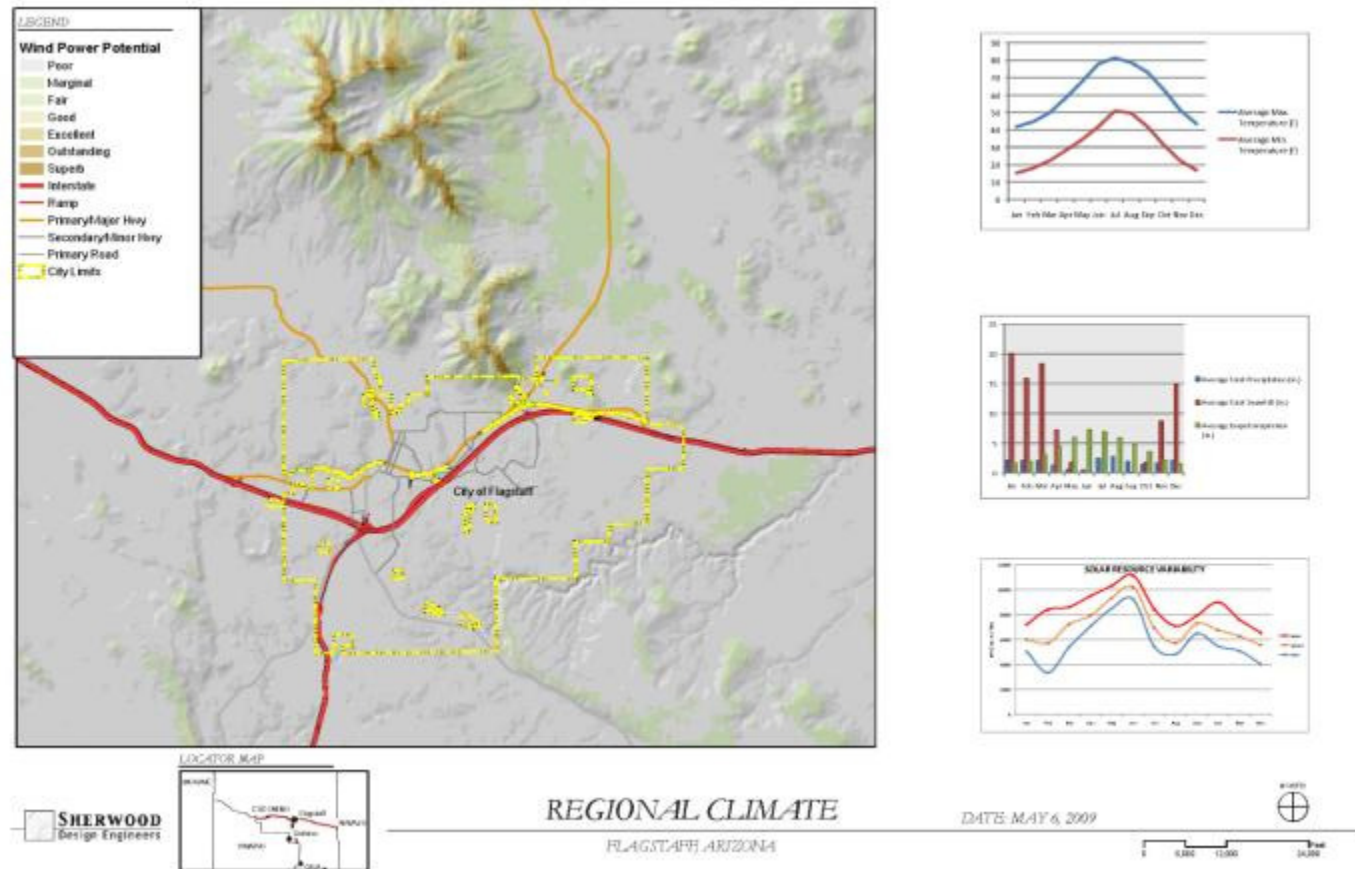


## Background Research:



SOURCE: USGS

## Our Analysis:



### Who We Have Heard From :

- City Staff
- Local Professionals
- Non-Profit Groups
- Private Landowners

### Priorities We Have Heard:

- Sustainability
- Accessibility of Code
- Resource Protection
- Flexibility for Innovation





## What We Are Working On :



Land Development Code Rewrite  
*Project Overview*

SHERWOOD DESIGN ENGINEERS

Project Overview		Project Overview									
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# Flagstaff Zoning Code Update

## What We Have Done



## What We Are Working On :

		T1	T2	T3	T4	T5	T6	SD	Notes
Standards - Energy									
Wind Turbine - Field	 	■	■					■	<p>Wind turbines convert wind power to mechanical energy. On a community scale, larger wind turbines can be installed that generate more power, just carrying reduced dependence on a non-renewable power source. Windpower does not require water to generate electricity.</p>
Wind Turbine - Medium Scale			■	■	■				<p>Wind turbines can be installed on a medium scale in parking areas, large single-family homes lots, sports fields, and other suburban and open space areas.</p>
Wind Turbine - Roof						■	■	■	<p>Wind turbines can be installed on a smaller scale in steel reinforced, apartment buildings or commercial spaces. At this scale, wind turbines can help mitigate building power demands.</p>
Solar Roof Example - Residential									